

technorap-2

07/16 121

TECHNOKOLLA®

ADESIVO
CEMENTIZIO
RAPIDO A DUE
COMPONENTI

TWO COMPONENTS
RAPID HARDENING CEMENT

ZEMENTGEBUNDENER
2-KOMPONENTEN-SCHNELLKLEBER

TECHNORAP-2



TECHNORAP-2

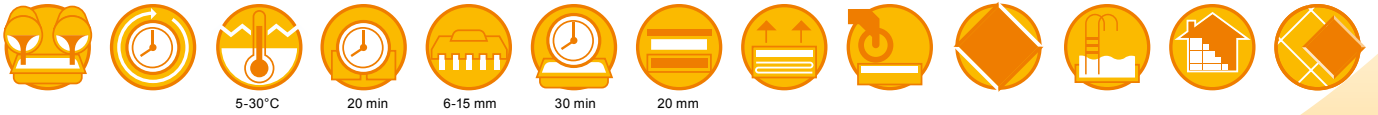
High performance, quick-setting two-component adhesive for fixing large ceramic and marble tiles.

Suitable for over-tiling and on heating screeds.

bonding agents and adhesives

TECHNOKOLLA®





5-30°C

20 min

6-15 mm

30 min

20 mm

technorap-2



MAIN FEATURES

- Quick-setting
- Two components
- Highly deformable
- Frost proof
- No creep
- Layers up to 20 mm thick

APPEARANCE

White or grey powder

STORAGE

- Powder: 6 months in dry place
- Liquid: 12 months protected from frost and heat

FIELDS OF USE

- Quick fixing ceramic tiles of all types, even large sizes, on indoor and outdoor walls and floors swimming pools or facades.
- Quick-fixing stone materials, also those liable to staining and with a slight tendency to warping.
- Suitable for use when high performances are required as the installation in industrial environments. CSTB certified product for laying on floors P4 and P4S.
- Over-tiling on top of old ceramic tiles, also outdoors and without the use of primer.
- Suitable for fixing thin porcelain stoneware slabs.
- Fixing composite marble with an average sensitivity to water, indoors*.
- Fixing on electric or water heating screeds.
- Spot-glueing insulating panels made of polystyrene, polyurethane foam, rock or glass wool and cork.

* The outdoor installation of composite marbles must be assessed with the manufacturer of these materials.

SUBSTRATES

Cement-based plaster, cement-lime mortar, gypsum-based plaster¹, anhydrite screeds¹, cement-based screeds, concrete, aerated concrete, old ceramic floors, old linoleum floors², PVC² or vinyl², wooden panels, plasterboard, RASOLASTIK range and RASOGUM.

¹ after application of PRIMER-T

² after application of PRIMER-101

NATURE OF THE PRODUCT

TECHNORAP-2 mainly consists of high-strength cements, selected silicon/quartz mineral charges and specific additives. For further details, ask the technical office for the safety brief or download it from the web site www.technokolla.com.

bonding agents and adhesives



LOW-VOC product

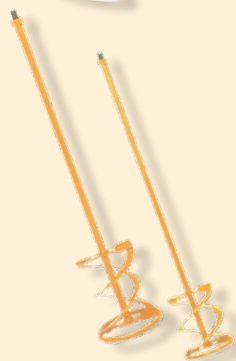
TESTED BY EUROFINS



RECOMMENDED ACCESSORIES



Blender 1200



White rubber mallet



28x12 cm trowel stainless steel
8 mm square serrations



28x12 cm trowel stainless steel
10 mm square serrations



28x12 cm trowel stainless steel
Ø15 mm rounded serrations

OPERATIONS PRIOR TO APPLICATION

Small localized hollows or gravel pockets in the case of concrete can be leveled (not more than 10 mm thick) with TECHNORAP-2 4-6 h prior to fixing.

HOW TO PREPARE THE MIXTURE

Blend TECHNORAP-2 by mixing the powder (25 kg bag – grey powder – or 22 kg bag – white powder) with the latex (5.5 kg can) until mixture is homogeneous and lump-free. It is advisable to use blender at low speed (approx. 500 rpm) as high speed will reduce the mechanical characteristics of the product. The creamy paste obtained can be easily applied by trowel and possesses optimum thixotropy. The mixture can be used immediately.

WARNINGS AND RECOMMENDATIONS

It is always advisable to apply two coats when laying tile sizes measuring 900 cm² or larger.

Do not apply to:

- metal

Do not use:

- at temperatures less than 5°C or more than 30°C
- in coats more than 20 mm thick

CONSUMPTION

Trowel	6x6 mm	8x8 mm	10x10 mm	Ø 15 mm
Technorap-2	3.6 kg/m ²	4.5 kg/m ²	6 kg/m ²	7.5 kg/m ²

Consumption data refer to sole use of a trowel on flat substrates.

technorap-2

TECHNICAL DATA	VALUE	REQUIREMENT	STANDARD
Curing time	0 min		
Pot life	*30 min		
Open time	*20 min	°20 min	EN 1346
Treadable	*After 4-6 h		
Floor tiles can be grouted	*After 4-6 h		
Wall tiles can be grouted	*After 2 h		
Surface can be used	*After 24 h (72 h tanks and swimming pools)		
Creep on vertical wall	≤ 0.5 mm	°≤ 0.5 mm	EN 1308
Transverse deformation	2,7 mm	> 2.5 mm	EN 12002
Compressive strength	28 N/mm ²		EN 196
	GREY	WHITE	
Bond after 6 h	~1.0 N/mm ²	~0.8 N/mm ²	°> 0.5 N/mm ²
Initial tensile strength	~3.3 N/mm ²	~3.0 N/mm ²	°≥ 1 N/mm ²
Tensile strength after the action of heat	~3.3 N/mm ²	~2.9 N/mm ²	°≥ 1 N/mm ²
Tensile strength after immersion in water	~2.4 N/mm ²	~2.5 N/mm ²	°≥ 1 N/mm ²
Bond after freezing/thawing cycles	2.5 N/mm ²	~2.7 N/mm ²	°≥ 1 N/mm ²

° according to standard "EN 12004".

* these time intervals refer to a temperature of 23°C-50% R.H.. They become shorter with higher temperatures and longer at lower temperatures.

EMICODE

Emission class	r.p. No. Eurofins
EC1 Plus	392-2013-00019205_A_1

FRENCH VOC LABEL

Emission class	r.p. No. Eurofins
Classe A	cert. Eurofins n° 392-2013-00019205_B_1 del 26/07/2013

SPECIFICATION

Ceramic floor and wall tiles must be fixed with class "C2FT S1 cement-based powder adhesive according to standard EN 12004", such as TECHNOKOLLA's TECHNORAP-2, which can be applied in layers up to 20 mm thick on cement-based substrates.

Technokolla reminds you to examine the "notes" document that completes the information in this data sheet. The document can be downloaded in the pdf format from the website www.technokolla.com.

The advice about technical matters in the technical data sheets, or given verbally or in writing by our personnel as part of our customer assistance service, is the result of our best and most up to date experience. Since we are unable to personally modify the conditions in the building site or the way the work is carried out, this information is purely indicative and, thus, binds us neither legally nor in any other way in relation third parties. This information does not relieve the end user from being responsible for testing our products so as to make sure they are fit for the required use. We therefore strongly advise the customer/user to subject Technokolla's products to preventive tests in order to ensure that they are suitable. The end user is also responsible for checking to make sure that this technical data sheet is not obsolete and that more recent editions have not replaced it. Thus, before using our products, you are advised to download the most up to date version of the technical data sheet from our web site www.technokolla.com.



Sika Italia S.p.A.

Registered Office and Administrative Headquarters: Via L. Einaudi 6, 20068 Peschiera Borromeo (MI)

Sassuolo Plant (MO): Via Radici in Piano 558, Postal Code 41049

Tel: +39 0536 809711 Fax: +39 0536 809729 www.technokolla.com